

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____							
Misidentified ☐	Past Due ☐								

Work Order ID 148155

Thursday, July 07, 2016 9:21:03 AM

148155

Page 2

Item ID: D4434-043 Accept ***N900040100*** Setup Start ***NS1***
Revision ID: Stop ***NS2***
Item Name: Fwd Inboard Bracket Assembly
Start Date: 6/21/2016 Start Qty: 3.00 ***3*** Cust Item ID:
Required Date: 6/27/2016 Req'd Qty: 3.00 ***3*** Customer:
Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
140	Black Sandtex(Ref:4.3.5.7) per QSI005 4.3	0.00							
140									
Powdercoat	Memo	0.02							
Powder Coating	*** MASK NUT PLATE HOLES PER DWG ***								
	START TIME: <u>9:10</u>								
	OVEN TEMPERATURE: <u>300</u>								
	FINISH TIME: <u>9:40</u>								
150	QC3- Inspect Part Finish	0.00							
150									
QC	Memo	0.01							
Quality Control									
160		0.00							
160									
Small Fab	Memo	0.13							
Small Fab	Install rubber seals and grommets.								
	3M 1300 batch: <u>17134871</u>								

3 0.16-09-21. 34 9:89

3 FF SEP 21 2016

3 FF SEP 21 2016

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Date : _____	Step #: _____	QTY Effective : _____		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition			
801 1 5 922				Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : _____					

Work Order ID 148155

Thursday, July 07, 2016 9:21:03 AM

148155

Page 3

Item ID: D4434-043

Accept

N900040100Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: Fwd Inboard Bracket Assembly

Start Date: 6/21/2016 Start Qty: 3.00 ***3***

Cust Item ID:

Required Date: 6/27/2016 Req'd Qty: 3.00 ***3***

Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start ***NR1***

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
170	QC5- Inspect part completeness to step on W/O	0.00							SEP 21 2016
170					DAS 30 9-89	③			
QC	Memo	0.01							
Quality Control									
180	Identify as per dwg & Stock Location: <u>GA</u>	0.00			DAS 30 9-89	③			SEP 21 2016
180									
Packaging	Memo	0.01							
Packaging	LOCATION : GA								
190	QC21- Final Inspection - Work Order Release	0.00							
190					DAS 21 9-89				SEP 21 2016
QC	Memo	0.05							
Quality Control									

DAS
21
9-89

SEP 21 2016

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Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
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Description Work Order Deviation		Disposition			
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				QC / QA Coordinator Approval	
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OTHER : _____					

Picklist Print

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Work Order ID: 148155

148155

Parent Item: D4434-043

D4434-043

Parent Item Name: Fwd Inboard Bracket Assembly

Start Date: 6/21/2016

Required Date: 6/27/2016

Start Qty: 3.00

Required Qty: 3.00

Comments: IPP revA 11.10.06 new issue EC verified by:DD IPP RevB
11.12.22 per PA5 EC verified by:JLM IPP RevC 12.01.24
per REV.A DD verified by:EC IPP RevD 12.03.05 per REV.B
DD verified by:EC IPP REV:E 13.04.01 AS PER D4434 REV.C
DD VERF:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D4434-1 *D4434-1* Bracket		Manufactured	No			110	Each	3.0000	1	3	DAS 30 9-89		SEP 14 2016
				<u>Location</u>				<u>Loc Qty</u>					
				ST613				3					
				146072				3					
D4434-9 *D4434-9* Bracket		Manufactured	No			110	Each	3.0000	1	3	DAS 30 9-89		SEP 14 2016
				<u>Location</u>				<u>Loc Qty</u>					
				GA				3					
				139616				3					
D4435-041 *D4435-041* Bracket Assembly		Manufactured	No			110	Each	6.0000	1	3			SEP 21 2016
				<u>Location</u>				<u>Loc Qty</u>					
				ST098				6					
				137113				3					
				143402				3					

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Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition			
				Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
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OTHER : ☐					

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Work Order ID: 148155

148155

Parent Item: D4434-043

D4434-043

Parent Item Name: Fwd Inboard Bracket Assembly

Start Date: 6/21/2016

Required Date: 6/27/2016

Start Qty: 3.00

Required Qty: 3.00

D4441-1 Manufactured No

D4441-1

Rubber Seal

395.5960

0.426

FF SEP 21 2016

Location

Loc Qty

Loc Code

ST422

395.596

120932

395.596

0.426

D4441-1 Manufactured No

D4441-1

Rubber Seal

395.5960

0.624

FF SEP 21 2016

Location

Loc Qty

Loc Code

ST422

395.596

120932

395.596

0.624

D4441-1 Manufactured No

D4441-1

Rubber Seal

395.5960

5.625

FF SEP 21 2016

Location

Loc Qty

Loc Code

ST422

395.596

120932

395.596

5.625

D4440-1 Manufactured No

D4440-1

Grommet

160 Each

36.0000

1

3

FF SEP 21 2016

Location

Loc Qty

Loc Code

GA

7

134762

7

ST098

29

G.A. 140598

9

147084

20

1
2
2

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Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date : _____		Step #: _____		QTY Effective : _____			MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐		OTHER : _____					

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Work Order ID: 148155

148155

Parent Item: D4434-043

D4434-043

Parent Item Name: Fwd Inboard Bracket Assembly

Start Date: 6/21/2016

Required Date: 6/27/2016

Start Qty: 3.00

Required Qty: 3.00

AN525-832R6

Purchased

No

110

Each

77.0000

3

9

AN525-832R6

Screw

**

FF SEP 21 2016

Location

Loc Qty

Loc Code

GA 135390

14

m129682

14

GA

8

m131957

8

ST328

55

m134249

55

MS20426AD3-2

DAS
36
9-80

Purchased

No

110

Each

18,153.00

12

36

MS20426AD3-2

Rivet

**

FF SEP 15 2016

Location

Loc Qty

Loc Code

Mezz

18153

G. A. 135274

36

1173

8873

13276

9280

MS20426AD3-3

Purchased

No

110

Each

1,275.000

2

6

MS20426AD3-3

RIVET

**

FF SEP 15 2016

Location

Loc Qty

Loc Code

GA

135274

352

6

M131624

352

ST312

923

M131624

923

MS20470AD4-3

Purchased

No

110

Each

447.0000

5

15

MS20470AD4-3

Rivet - Universal Head

**

FF SEP 15 2016

Location

Loc Qty

Loc Code

GA

447

2193

447

15

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Shop Packet Print

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Work Order ID: 148155

148155

Parent Item: D4434-043

D4434-043

Parent Item Name: Fwd Inboard Bracket Assembly

Start Date: 6/21/2016

Required Date: 6/27/2016

Start Qty: 3.00

Required Qty: 3.00

MS21075L08

Purchased

No

110

Each

192.0000

7

21

MS21075L 08

ANCHOR NUT

DAS
6
9-89

SEP 15 2016

Location

Loc Qty

Loc Code

ST298

89

103053

55

M132035

34

ST300

103

M128635

103

26

DQA: _____ Date: _____



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Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
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Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐
OTHER : _____					